

**MISSISSIPPI FORESTRY COMMISSION  
660 NORTH STREET, SUITE 300  
JACKSON, MS 39202  
JANUARY 2016**

**RFX # 3160000784**

**NOTICE**

Sealed bids will be received by the Mississippi Forestry Commission in its offices at 660 North Street Suite 300, Jackson, MS 39202, until 2:00 o'clock p.m. on January 26, 2016, and shortly thereafter, publicly opened for purchase of:

**14 EXTENDED CAB TANDEM WHEELED TRUCKS WITH BEDS**

Under existing conditions, the Mississippi Forestry Commission will not accept bids that do not contain a firm stated price without any reservation as to price increase of any kind after date of contract. Firm delivery dates shall be included in the bid. The Mississippi Forestry Commission reserves the right to reject any/or all bids. **All bids received after the deadline will be returned unopened.**

Address an envelope as follows:

Mississippi Forestry Commission  
660 North Street, Suite 300  
Jackson, MS 39202  
Attn: Purchasing Department

In the lower left-hand corner, write: **“EXTENDED CAB TANDEM WHEELED TRUCKS”** to be opened on January 26, 2016.

# **SPECIFICATIONS**

## **14 EXTENDED CAB TANDEM WHEELED TRUCKS WITH BEDS**

### **1. GENERAL INFORMATION**

- A. These trucks will be a new current year model and come equipped with all factory standard features including the following options:

### **2. ENGINE**

- A. Must be Inline 6 cylinder diesel, 330 hp minimum and 1000-1200 lbs torque minimum.

### **3. ELECTRONIC PARAMETERS**

- A. Must be able to sustain a highway speed of 70 MPH, but no more than 75 MPH at governed RPM.

### **4. ENGINE EQUIPMENT**

- A. Alternator, 12-volt, 240 amp. minimum
- B. Fan Drive, automatic
- C. Engine block heater, 115 volt, with plug-in receptacle mounted under cab, LH door
- D. Three (3), 12 volt batteries, maintenance free, 1950 CCA minimum
- E. Automatic engine de-rate system with light and buzzer
- F. Battery box, with cover, frame mounted
- G. Air compressor, 13 CFM minimum
- H. HD cooling capacity

### **5. TRANSMISSION, AUTOMATIC**

- A. Must be Allison 3000\_RDS\_P 5<sup>th</sup> generation controls, close ratio, 6-speed with overdrive, On/Off Hwy, Includes oil level sensor, with PTO provision, less retarder, with 80,000-lb GVW & GCW Maximum transmission

### **6. FRONT AXLE AND EQUIPMENT**

- A. HD16,000 lb front axle
- B. 16,000 lb flat leaf front suspension.
- C. Front brakes, 16.5" x 6.0" S-cam
- D. Power steering with dual power steering gears
- E. Front wheel seals, oil lubricated wheel bearings

### **7. REAR AXLE AND EQUIPMENT**

- A. 46,000 lb. Rear axle with heavy duty housing
- B. Driver controlled traction differential, both tandem rear axles
- C. Rear axle gear ratio to achieve desired road speed

D. Rear brakes, 16.5" x 7.0" S-cam

**8. REAR SUSPENSION**

- A. 46,000 lb Heavy duty air ride suspension
- B. 54" to 56" axle spacing

**9. BRAKE SYSTEM**

- A. Dual air brake system, with clear frame behind cab.
- B. Air dryer with heater, mounted to provide clean CT

**10. WHEELBASE AND FRAME**

- A. Effective CT of 151"
- B. Must have at least 108" of after frame
- C. Frame rails heat treated steel alloy (120,000 PSI)
- D. C-channel frame insert heat treated steel alloy (120,000 PSI) to run full length of frame

**11. CHASSIS EQUIPMENT**

- A. Steel front bumper
- B. Front tow hooks-frame mounted
- C. Mud flap brackets
- D. Eighty (80) gallon, aluminum fuel tank, under cab mounted
- E. Fuel/water separator, sight glass or indicator light
- F. Single exhaust system, muffler and short pipe horizontal

**12. TIRES**

- A. Front tires, Goodyear G291, 315/80R22.5, 18 ply radial or equal
- B. Rear tires, Goodyear G288, 11R22.5, 16 ply radial or equal

**13. WHEELS**

- A. Wheels, front, 22.5 X 9.00, 10-stud 9.00 rims w/steel hubs
- B. Wheels, rear 22.5 X 8.25, 10-stud 8.25 rims w/steel hubs
- C. Spare tire, 11R22.5, 16 ply radial or equal, 22.5 X 8.25, 10-stud 8.25 rim, G88 or equal

**14. EXTENDED CAB EXTERIOR**

- A. Air cab mounts
- B. Non-automotive conventional **EXTENDED CAB**
- C. Non-removable bug screen mounted behind grill
- D. West coast type mirrors, with convex mirror on both sides
- E. Air horn, single base, cab roof mounted
- F. All glass windows tinted
- G. Tilting front end

- H. Paint schematic single color
- I. Paint base coat/clear coat.
- J. Paint class premium color, white

**15. CAB INTERIOR**

- A. Interior cab fleet trim
- B. Air suspension seats for driver and passenger
- C. Center console with storage and cup and thermos holder
- D. Record storage
- E. LH and RH door map pockets
- F. Forward roof mounted console
- G. Heater/defroster and air conditioner
- H. Two (2) 12-volt power supply, in dash, with 20-amp circuit cigarette lighter type
- I. Highway warning triangular reflectors, complying with federal motor standard #125. DOT compliant

**16. INSTRUMENTS AND CONTROLS**

- A. Complete instrument gauge cluster, English electronics speedometer and a tachometer for air brake chassis
- B. Dual rear axle temperature gauges-tandem axle
- C. Cruise control-electronic
- D. AM/FM/ radio

**17. STIPULATIONS**

- A. Each truck will have a comprehensive 12-month warranty and a 72-month/50,000 mile extended engine and 5 year transmission warranty to include engine electronics and fuel injectors. All documentation of the warranty information will be included with the bid. **All warranties will become effective the date the truck is put into service by the Mississippi Forestry Commission.**
- B. All trucks will come furnished with operator's manual, and mud flaps
- C. **Warren Inc. in Collins MS** is the approved bed supplier. All trucks will be delivered to bed manufacturer within 90 days of winning bidder receiving Purchase Order and in full compliance with these specifications.
- D. The supplier will provide service manuals (or CDs) and parts manuals (or CDs)
- E. The supplier will provide a minimum of four (4) hours training to each location receiving a truck. The training will cover operation, maintenance and safety.
- F. The Mississippi Forestry Commission reserves the right to conduct periodic onsite inspections during bed construction and installation.

**18. BED SPECIFICATIONS (17' flatbed w/6' Beaver Tail)**

- A. Main body shall be 17' long
- B. Beaver tail shall be 6' long and sloped on 12 degrees
- C. Overall width shall be 102"

- D. Long Rail shall be constructed of 5" – 10 # I-beam and spaced on 34" centers.
- E. Cross members shall be constructed of 3" 5.7 # I-beam on 12" centers
- F. Rub rail shall be constructed of 6" – 8.2# Channel and assembled with legs facing outward
- G. Floor Plate shall be constructed of ¼" ASTM A786 Plate
- H. Front corners of bed shall be rounded off to approximately 1" radius
- I. Rear skirt shall be constructed of 10" – 25.4# channel
- J. Track guide shall be constructed of 3" x 2" x ¼" angle with the front rail being 144" long and the rear being 72" long
- K. Cleats shall be constructed of 2" x 2" x 3/8" angle on 69" track centers. Install cleats on beaver tail only. Locate and weld cleat on welded seam where beaver tail and main body connect
- L. Ramp mount plates shall be constructed of 1" ASTM A36 plate
- M. Cylinder mount plates shall be constructed of 1" ASTM A36 plate
- N. Cylinder base pin shall be constructed of 1 ½" diameter ASTM A108 CR RD
- O. Body shall be mounted using ½" x 3" mounting bars with a minimum of four (4) mounting bars on main body and two (2) mounting bars on beaver tail. A minimum of one (1) grade 8 bolt must be used per mounting bar
- P. Byers Product forged lashing rings (part number B48) will be installed two (2) per side on main body. Location of lashing rings will be determined by Mississippi Forestry Commission
- Q. Beaver Tail shall have 2" x #9 expanded metal tack welded to rear of dove tail for non skid surface approximately 36" x 36"
- R. Cable step shall be installed at rear of beaver tail. Step shall be Buyers Products # 5230912 or equal
- S. Main body shall have 2" x #9 expanded metal tack welded to both left and right front corners adjacent to cross box for non skid surface

## **19. BULK HEAD ASSEMBLY**

- A. Bulkhead shall be 90" wide x 60" high
- B. Bulkhead shall be constructed of 6" x 2" x ¼" wall ASTM A500 tube outer frame left, right and top
- C. 6" – 8.2# channel cross members shall be welded @ 9 ½" from floor level and 33" from floor level
- D. 2" x #9 expanded metal shall be welded to front side of bulkhead for Window

## **20. CROSS BOX (STORAGE)**

- A. Cross box shall be 24" x 8" x 90" with latched door on both ends
- B. Cross Box shall be constructed of 10 gauge ASTM A1011-45
- C. Cross box must have a blade support on tool box constructed of 4"-5.4 Channel

## **21. RAMP ASSEMBLY**

- A. Ramps will be 26" wide and 80" long

- B. Main rail shall be constructed of 6" – 8.2 # channel
- C. Center rail shall be constructed of 4" – 5.4 # channel
- D. Cross member shall be constructed of 4" – 5.4# channel on 24" centers
- E. Upper Cylinder Mounting bar shall be 5/8" x 5" ASTM A36 HR FB and welded to 4"-5.4# channel cross member
- F. Upper Cylinder Attaching Ear shall be constructed of 3/4" ASTM A36 Plate
- G. Ramp safety latch shall be constructed of 1/4" flat bar and pinned at each end. Bar hanger shall be welded to bed for purpose of storing hanger bar when ramps are down
- H. Cleats shall be constructed of 2" x 2" 3/8" angle and welded on 12" Spacing
- I. Cylinder top pin shall be 3/4" diameter ASTM A108 CR RD
- J. Ramp pivot pin shall be constructed of 1 1/4" diameter ASTM A108 CR Rd
- K. The area of the ramp that contacts the ground will be covered with 1/4" Plate
- L. Ramps, when lowered on level ground, should maintain the same slop as the Beaver tail
- M. Ramp shall have grab handle mounted to inside of ramp

**22. OUT RIGGER ASEEMBLY (MUST ATTACH TO THE FRONT OF THE RAMP WHERE THE RAMP ATTACHES TO THE BED)**

- A. Outrigger should be welded solid to bottom side of ramps as close to front as possible
- B. Outrigger sides shall be constructed of 4" –5.4 # Channel
- C. Bottom foot shall be constructed of 6" x 2" x 1/4" tube and capped on both ends
- D. Foot shall be no more than 1 1/2" above level ground when body is unloaded and must have firm contact with ground during loading and unloading.

**23. HYDRAULIC & CONTROLS STORAGE**

- A. Storage box shall be 18" wide x 36" long and deep enough to accommodate the power unit and switch. Constructed of 1/4" plate, top to fit the slope of Beaver tail
- B. The door shall be constructed of 1/4" plate and be equipped with two (2) Buyers product spring latches and (2) hinges
- C. Hydraulic cylinders shall be 2" x 16" – PMC (or approved equal) with 1" chrome hardened (One per ramp)
- D. Power unit shall be 12-volt, dual stage (power up & down) w/float. Must be fitted with the large capacity hydraulic oil storage tank. These units are available from Granger.
- E. Power unit power cable run to unit must be in a protective cover.
- F. Power On/Off switch for the power unit to be mounted inside the battery box.
- G. Hydraulic hoses shall be a minimum of 3/8" diameter fitted with swivel elbows on cylinder.

**24. LIGHT REQUIREMENTS**

- A. LED lights shall be mounted on both sides of the bed to be in compliance with FMVSS-108.
- B. There shall be (1) amber light mounted in outer channel at front and one (1) amber light mounted in outer channel where dove tail begins LED.
- C. Oval LED Stop Turn and Taillight mounted in rear skirt.
- D. Clear Backup mounted in rear Skirt.
- E. Four (4) corner flashing LED lights consisting of two (2), six (6) inch, oval, high intensity flashing LED light heads mounted on the grill at the outside corners and two (2) six (6) inch oval, high intensity, flashing LED light heads mounted vertically in a standard six (6) inch rubber grommet in the rear body skirt. Tail lights shall be LED.
- F. Shall be equipped with back up alarm.
- G. Halogen work light shall be installed on headboard facing main deck with on/off switch installed in cab.

**25. WATERPROOF STORAGE BOX**

- A. Bidder shall supply two (2) 36" x 18" x 18" lockable waterproof storage boxes that shall be frame mount. One on either side of main body. Rawson Koenig H361818 or approved equal.

**26. PLOW REST**

- A. Main plate shall be constructed of 1" ASTM a36 pl with approximate dimensions of 18" wide x 12" tall.
- B. Top section of main plate shall be notched 4" deep x 13" wide in center of plate leaving 4" tall guides. These guides shall be cut on an angle from the bottom to the top to create a slope on each side.
- C. The mounting plate shall be ½" thick approximately 8" x 18" with three (3) braces ½" thick x 4" tall located on the back side of the mounting plate to create a 45 degree angle on the main plate to the beaver tail.
- D. Plow rest shall be hinged with a ¾" hinge pin. The hinge tube shall have ¼" side walls.
- E. The hinge pin shall be removable and greasable.
- F. The mounting plate shall be fastened to the bed with six (6) ½" grade 8 bolts.
- G. Contact Mississippi Forestry Commission for location of Plow Rest.

**27. TRACK STOPS**

- A. Track stops shall be a minimum of 21" tall x 8" wide
- B. Track stops shall have a radius on the rear facing side to accept a contour of track leading edge.

**MISSISSIPPI FORESTRY COMMISSION**  
**660 North Street, Suite 300**  
**Jackson, MS 39202**

**BID FORM**

**14 EXTENDED CAB TANDEM WHEELED TRUCKS WITH BEDS**

(I) We, the undersigned, have read, understand and agree to bid in compliance with all Mississippi Forestry Commission specifications.

Make/Model \_\_\_\_\_

Bid Price each delivered: \_\_\_\_\_

Total Bid Price Delivered: \_\_\_\_\_

Estimated date of delivery: \_\_\_\_\_

\_\_\_\_\_  
Company

\_\_\_\_\_  
Official Signature

\_\_\_\_\_  
Address

\_\_\_\_\_  
Contact Person

\_\_\_\_\_  
City                      State                      Zip

\_\_\_\_\_  
Business Phone

\_\_\_\_\_  
Email

\_\_\_\_\_  
Date

RFx # 3160000784